

STEMPIEN, Ryszard; NIEDZIELSKA, Halina; KULANIEKA, Irena; KACPRZAK, Zdzisława, Dz.;
LEWICKA, Jolanta; LUFT, Anna

Digestive tract disorders in the course of chloromycetin treatment. Polski
tygod. lek. 13 no.36:1398-1403 8 Sept 58.

1. Z Kliniki Chorob Zakaźnych A. M. w Łodzi; kierownik: doc. dr med. J.
Chrzanowski i ze Stacji Sanatorno-Epidemiologicznej m. Łodzi; dyrektor:
dr med. J. Ząbski. Adres: Łódź, ul. Wieckowskiego Nr 7 m. 22.
(CHLORAMPHENICOL, inj. eff.

gastrointestinal disord. (Pol)
(GASTROINTESTINAL DISEASES, etiol. & pathogen.
chloramphenicol (Pol))

OHRZANOWSKI, Jan; KULARSKA, Irena; STEMPIEN, Ryszard; WOJCIECHOWSKI, Leszek

Serological studies on Q fever among wool industry workers. Przegl.
epidem. 14 no.4:411-416 '60.

1. Z Kliniki Chorob Zakaznych A.M. w Lodzi Kierownik: doc. dr med.
J.Cirzanowski i ze Stacji Sanitarno-Epidemiologicznej m. Lodzi
Dyrektor: dr J.Zanski.
(Q FEVER epidemiol) (WOOL microbiol)

KULAS, J.

3883

677.1.03 : 677.051.23

MT

Kulas, J., Tow Set of the Etrich System (Production 1951).

"Zespół pakularny syst. Etricha (prod. 1951 r.)". (Prace Inst. Przem. Włók. Lek. No. 3), Warszawa, 1954, WPLIS, 13 pp., 17 figs., 6 tabs.

Consideration is given to the influence of primary factors effecting the preparation of short fibres. An analysis was made of the influence, on the yield and quantity of fibre, of the set capacity, of the different moisture content of the raw material treated, of the two-fold preparation, and of the setting of the needles of the lower shaker. Research was carried over the grade of removing broken flax straw and shortening the staple length by passing the raw material through the individual machines of the set, due consideration being given to top ends, root ends as well as mixed broken flax straw. Further, comparative results are given between the coarse tow on the tow set of the Etrich system and on the coarse tow set of the Jaegle's system.

KULAS, J.

Business accounting in machine-tractor stations.

p. 560 (MECHANISACE ZEMEDELSTVI) Vol. 7, no. 24, Dec. 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

POLAND/Cultivated Plants - Fruits, Berries.

II-8

Abs Jour : Ref Zhar - Biol., No 9, 1956, 36498

Author : Kulas, T.

Inst : "

Title : Are the Malinovoye, Oberland and Kaiser Wilhelm Apple Tree Varieties to be Recommended for Cultivation in Suburban Regions?

Orig Pub : Przegl. Ogrodnicz., 1956, 33, No 3, 15-16.

Abstract : The author criticizes the article by Z. Gertych in the magazine Przegląd Ogrodnictwa (1955; No 12) which recommended these apple tree varieties for cultivation in suburban regions. -- I.M. Levin.

Card 1/1

GUTOWSKI, B.; TEMLER, A.; BAREJ, W.; KULASEK, G.

Studies on the blood serum in heifers fed fodder with the addition
of urea. Acta physiol.polon. 11 no.5/6:713 '60.

1. Z Katedry Fizjologii Zwierząt S.G.G.W. w Warszawie, Kierownik:
prof.dr B.Gutowski.
(UREA)
(BLOOD chem)

GUTOWSKI, B.; KOZNIEWSKI, S.; TEMLER, A.; BAREJ, W.; KULASEK, G.

Studies on the cecal contents in horses. Acta physiol.polon.
11 no.5/6:714 '60.

1. Z Katedry Fizjologii Zwierząt S.G.G.W. w Warszawie, Kierownik:
prof.dr B.Gutowski.
(CECUM)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

GURFIL', Sh.; KULASHIN, Ye.

Foremost in performance. Mor. flot 21 no.10:36-37 o '61.
(MIRA 14:9)
(Freighters)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

KULASHIN, Ye., starshiy inzh.; KOL'BE, N.

Re-equipment of "Kazbek"-type tankers for the transportation
of liquid ammonia. Mor. flot 22 no.3:34-36 Mr '62. (MIRA 15:2)

1. Chornomorskoye parokhodstvo (for Kulashin). 2. Kapitan
teplokhoda "Frunze" (for Kol'be).

(Tank vessels)
(Ammonia—Transportation)

KULATKA, J.

Raising the workers' qualification and the quality of produced engines.
Letecky obzor 6 no.3:86-87 '62.

KULATKA, Josef

Organization of workers' qualification tests. Pod org 17
no.7: 313-317 Jl '63.

1. Zavody Jana Svermy, Praha-Jinonice.

KULATKA, Josef

Technical literature and the qualification examinations.
Stroj vyr 13 no.3:220 Mr '65.

1. Zavody Jana Svermy National Enterprise, Prague-Jinonice.

KULAWCZYKOVA, N.

"Preliminary report on a find of fish fauna near Krpelany on the Vah River."
p.450 (Casopis Pro Mineralogii A Geologii, Vol. 2, no. 4, 1957, Praha,
Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

KULAWIK, A.

Advice on the culture of Nannostomus marginatus Eigenmann. p. 28

GOSPODARKA RYBNA Warszawa. Vol 7, No. 8, August 1955

SOURCE: East European Accessions List (EEAL) LC Vol 5, No. 3,

March 1956

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

Distr: 4E2c

✓ Influence of the thickness of silica or titanium dioxide layers upon the potential of an antimony adsorption micro-electrode. ²⁷ Irena Kulawik (Univ. Kurkow, Poland).

Zeszyty Nauk. Univ. Józef. Sier. Nauk. Mat.-Przyrod.,

Mat. Fiz., Chem. No. 4, 127-39(1983)(English summary).²⁷

The end of a Kamileński Sb microelectrode (cf. C.A. 46, 4417h; 51, 9372d), 0.4 cm. in diam., was coated with a gel layer by evapn. to 80% H₂O content of 1-4 drops of fresh or old gels contg. about $1-10 \times 10^{-4}$ g. SiO₂ or $1-10 \times 10^{-3}$ g. TiO₂ in each drop. The potential of the electrode coated with 2 drops TiO₂ gel contg. 0.908×10^{-3} g. TiO₂ was most sensitive to AcOH and NH₄NCO vapors. The gel layers were photographed in 60 X magnification. The gel layers of more sensitive electrodes had usually a more uniform surface with smaller pores.

J. Stecki

KAMIENSKI, B.; KULAWIK, I.; MAZRU, I.

Alumina gel as an adsorption layer in potentiometric chromatography.
Bul Ac Pol chim 6 no.2:97-99 '58. (EEAI 9:6)

1. Laboratory of Physical Chemistry of Surface Phenomena, Institute
of Physical Chemistry, Polish Academy of Sciences. Presented by
B.Kamienski.

(Alumina) (Colloids) (Adsorption)
(Potentiometer) (Chromatography)

KAMIENSKI, B.; KULAWIK, I.; MAZUR, I.

Influence of the thickness of alumina gel adsorption layers on
the potential of antimony microelectrodes. Bul.Ac. Pol chim
6 no.2:101-104 '58.
(EEAI 9:6)

1. Presented by B.Kamienski.
(Alumina) (Colloids) (Antimony) (Adsorption)
(Electrodes)

KULAWIK, Irena; KULAWIK, Jan

Influence of substituents on the electrocapillary properties of
quinoline derivatives. Prace chem Krakow no. 9:253-266 '64.

I. Department of Physical Chemistry and Electrochemistry of
Jagiellonian University, Krakow, and Department of Physical
Chemistry of Surface Phenomena of the Institute of Physical
Chemistry of the Polish Academy of Sciences. Submitted
February 12, 1963.

H. H. K. JAN
5
C-PMK

The determination of D₂O concentration in water by falling drop method. (1) J. Russ. Chem. Soc., 29, 510 (1886). (2) Summary. Various d. methods for deter. the content of D₂O in H₂O below 2% are discussed. The falling drop method has advantages for precision measurements; its theoretical principles are given and factors affecting its practical application to highly accurate routine detsn. are discussed. The following parts of the expit. setup are described fully: (a) automatic micropipet for forming water drops of 6 cu. mm. with an accuracy of 0.1%, (b) glass column contg. the fluid through which the drops fall and their time of fall actually measured, (c) thermostatic system to keep the temp. of the fluid in the column const. within 0.002°, (d) automatic temp. control installation to keep the room temp. always slightly higher than that of the fluid and const. within 0.1°. All measurements were made in mixt. of xyrene and bromobenzene. By establishing calibration curves, a series of detsn. of D₂O concns. in samples of H₂O with higher than normal content of D₂O produced by a catalyzed exchange reaction, were made. In samples contg. as little as 0.1% to 0.2% D₂O, detsn. concns. were made with an overall accuracy of 0.005 to 0.003%.

P. Preysus

EMC/JK

KULAWIK; J

1961. The adsorption micro-electrode as an indicator of halogens in the atmosphere. B. Kamienski and J. Kulawik (Polish Acad. Sci. Wiss.-Techn. Akad., Warszawa 1961, 1962, 3 (1), 401-406.)

An adsorption micro-electrode of the type described by Kamienski (Bull. Acad. Polon. Sci., 1948, 1951, 1940, 15, 187; 171; 1951, 169) is found to be very sensitive to traces of halogens in the atmosphere. They increase the potential of the micro-electrode in a positive direction. Concentrations of 0.1 micro-

per cent. change the potential appreciably. The action of the halogens diminishes with a decrease in the oxidation potential. Reducing agents, such as carbon monoxide, hydrogen, hydrogen sulphide and acetylene, change the potential in a negative direction.

R. J. Maaga

Influence of certain gases on the potential of the adiabatic microelectrode. J. M. Kudawik. Proc. K. Acad. Wetensch. Amsterdam, 56, 1953. 30-337 PAB

Mary - K. describes a method which consists in immersing small amounts of certain gases which diffuse from the surface of a macro-electrode. Thus small amounts of gases are used instead of small amounts of gases which have been adsorbed onto the electrode. The diffusion field is much larger than the adsorption field.

It is shown that the diffusion field of the adsorption field is about 20 times larger than the adsorption field.

All the reaction parts of the electrode are covered by a thin layer of adsorbed gas molecules. This layer was in top-surface of importance. The potential of the electrode depends on the concentration of the adsorbed gas.

Kotawik, J.

The influence of the thickness of the adsorber layer on
the potential of the microelectrode used in chrome acid baths.
H. Kammerer and
E. Kuryka, p. 17 (1967, English). Some details on
preparation and functioning of the indicator electrode are given.
It was proved that there were optimal conditions of layer
thickness (cf. C.I. 50, 4700, 8258c). In prep., that layer
best results were obtained by using two drops of the strongest
titanic acid soln. *Z. Kuryka*

KULAWIK, J.

Potential of the adsorption microelectrode in air contaminated by reducing gases

This electrode provides an effective means for indicating the presence of reducing gases in the air. A calomel electrode is used for reference in following the changes in potential of the adsorption electrodes. The following potential changes are observed when the air is contaminated as indicated: 173 mv. with 0.18% H present; 26 mv. with 1% CO; 210 mv. with 1% H₂S; and 300 mv. with 10% C₂H₂.

R. Holroyd

PH MK

[REDACTED] 14
The potential of the platinum micro-electrode in air contaminated by oxidizing gases. II. Nickel Oxide. (Friedrich Areal, ScL, Warsaw), *Bull. Acad. Polon. Sci., Ser. C, Classe III*, 5, 79-82 (1957) (in English); cf. C. S. Casassa, *J. Am. Chem. Soc.*, 75, 178-181 (1953). A silica-gel layer spread on the open section of a Pt wire is exposed to the atm. The potential of this "electrode" is measured by the Wolf electrometer in the presence of NO_2 , NO_x (air mixt.). Addition of 0.1% NO_2 to air causes a 178-mv. potential decrease; a 1% NO_2 addition causes a 625-mv. decrease. On 1% NO_2 a loss of 10% of the air produces a 140-mv. increase. Application to Zn potentials in air suggested, with Ni oxides as an example. L. Skorka

14
J. Skorka
MT

KULAWIK, Irena; KULAWIK, Jan

Influence of substituents on the electrocapillary properties of
quinoline derivatives. Prace chem Krakow no.9:253-266 '64.

1. Department of Physical Chemistry and Electrochemistry of
Jagiellonian University, Krakow, and Department of Physical
Chemistry of Surface Phenomena of the Institute of Physical
Chemistry of the Polish Academy of Sciences. Submitted
February 12, 1963.

KULAY, G.A.

Dissolution of aluminum silicates in the rhizosphere of forest stands. Izv.AN SSSR.Ser.biol. no.6:915-920 N-D '62.

(MIRA 16:1)

1. Institute of Biology of Sverdlovsk.

(ALUMINUM SILICATES)

(RHIZOSPHERE MICROBIOLOGY)

24217

KULAY, V. A. Novyye metody izgotovleniya poroshkovykh kolets. Sbornik dokladov studentov Mosk. avtomob.-dor. IN-TA na 2-iy Nauch. konf.-tseli studentov vyssh. uchebl. zaycheniy G. Moskvy. N., 1949, s. 61-67.

SO: Letopis, No. 32, 1949.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

KULAYEV, A. M.

"12.5 - 25-Ton Electric Jacks for Railroad Cars" (Vagonnyye elektrodomkraty 12.5 - 25-tonnyye) Railroad Machine-Building Plants, Ministry of Transportation USSR, 1949, 39 pp.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

BORISOV, V.I.; PANASEVICH, I.S.; KULAYEV, A.N.

Characteristics of the wear of self-sharpening plowshares. Trakt.
i sel'khozmash. no.3:16-17 Mr '65. (MIRA 18:5)

1. Gor'kovskiy sel'skokhozyaystvennyy institut.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

"APPROVED FOR RELEASE: 08/23/2000

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REVIEWED BY: A. G. ...

"The Role of the Chemoreceptors of the Pericardium in the Regulation of Circulation and Respiration." Carl Biel Sci, Acad Med Sci USSR, 9 Nov 54. (M, 26 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (U)

SC: Sum. No. 481, 5 May 55

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

KOGAN, A.B.; SHCHITOV, S.I.; KULAYEV, B.S., redaktor; STREL'NIKOVA, L.I.,
tekhnicheskiy redaktor.

[Practical work in comparative physiology] Praktikum po srovnitel'noi
fiziologii. Moskva, Gos.izd-vo "Sovetskaia nauka," 1954. 547 p.
(Physiology, Comparative) (MIRA 8:4)

KEDAR-STEPANOVA, I.A.; KOVALEV, S.A.; KULAYEV, B.S.; CHAYLAKEYAN, L.M.

Polarization changes in the heart following vagal inhibition.
Fiziol.zhur. 42 no.9:821-825 S '56. (MIRA 9:11)

1. Elektrofiziologicheskaya laboratoriya Klinicheskoy ordena Lenina
bol'nitay im. S.P.Botkina. Moskva.

(NERVES, VAGUS, physiology,
eff. of inhib. on heart polarization (Rus))
(HEART, physiology,
polarization after vagus inhib. (Rus))

KULAYEV, B.S.

Neural regulation of the rhythm of cardiac contractions in fish.
Report No.1. Effect of stimulation and transection of the cardiac
branches of the vagus nerve on the rhythm of cardiac contractions
[with summary in English]. Biul.eksp.biol. i med. 4 no.7:8-12
J1 '57. (MIRA 10:12)

1. Iz kafedry fiziologii zhivotnykh (zav. - chlen-korrespondent AN
SSSR prof. Kh. S. Koshtoyants) biologo-pochvennogo fakulteta Moskov-
skogo ordena V. I. Lenina gosudarstvennogo universiteta imeni M. V.
Lomonosova. Predstavlen a deystvitel'nym chlenom AMN SSSR prof.

(HEART, physiology,

rhythm in fish after stimulation & section of vagus nerve
(Rus))

(NERVES, VAGUS, physiology,

eff. of stimulation & section on cardiac rhythm in
fish (Rus))

KULAYEV, B.S.

The neural regulation of heart contractions rhythm in fish.
Report No.2: The vagus nerve in fish is an efferent pathway of
double reflex influence on heart rhythm [with summary in English].
Biul.eksp.biol. i med. 45 no.4:8-13 Ap '58 (MIRA 11:5)

1. Iz kafedry fiziologii zhivotnykh (zav. - chlen-korrespondent
AN SSSR Kh. S. Koshtoyants) Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova. Predstavlena deystvitel'nym
chlenom AMN SSSR V.N. Chernigovskim.

(HEART, innervation

efferent pathways in fish, reflex action of exper.
stimulation (Rus))

(NERVES, VAGUS, physiology

heart innerv. i fish, reflex action of exper. stimulation.
(Rus))

KULAYEV, B.S.

Effect of chemical stimulation of pericardial receptors on reflex changes in cardiovascular function. Report No.1: Relation of the nature of reflex reaction of the cardiovascular system to the intensity of stimulation of pericardial receptors [with summary in English]. Biuleksp.biol. i med. 45 no.6:17-22 Je '58 (MIRA 11:8)

1. Iz laboratori' obshchey fiziologii (zav. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR. V.N. Chernigovskim.

(PERCARDIUM, physiology,

eff. of chem. stimulation on blood circ. & resp.,
relation of force of stimulation to response (Rus))

(BLOOD CIRCULATION, physiology,

eff. of pericardial chem stimulation, relation of
stimulation forde to response (Rus))

(RESPIRATION, physiology,
same (Rus))

KULAEV B. S.
EXCERPTA MEDICA Sec 18 Vol 3/8 Cardio. Dis. Aug 59

2273. Reflex changes in cardiovascular activity under chemical stimulation of pericardial receptors. III. Dependence of these changes on the condition of the vasomotor centre (Russian text) KULAEV B. S. Inst. of Norm and Pathol. Physiol., USSR Acad. of Med. Scis, Moscow *Bull. eksper. Biol. i Med.* 1958, 45/12 (8-14) Graphs 3

The stimulation of pericardial receptors by chemical substances in any concentration caused only pressor reactions in all cats with denervated carotid sinuses. However, these reactions could be observed only in 25% of the cats with intact carotid sinuses. A cumulative effect of the separate actions of these stimulants on the blood pressure was found in these 25% of cats on clamping of the carotid artery on the background of a slight rise of blood pressure caused by not very strong stimulation of the pericardial receptors. On the contrary, if the carotid artery was clamped on the background of a considerable rise of the blood pressure caused by a strong stimulation of the pericardium, these effects depressed each other reciprocally, as a result of which an inversion in the carotid reflex was noted.

(II, 18)

KULAYEV, B.S.

Effect of chemical stimulation of pericardial receptors on the reflex activity of the cardiovascular system. Report No.2:
Effect of tactal and partial exclusion of pericardial receptors on respiration and circulation [with summary in English].
Biul.eksp.biol. i med. 46 no.10:23-29 O '58 (MIRA 11:11)

1. Iz laboratori obschey fiziologii (zav. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

(PERICARDIUM, physiology

eff. of stimulation & exclusion of chemoreceptors
on blood pressure (Rus))

(BLOOD PRESSURE, physiology

eff. of stimulation & exclusion of pericardial chemoreceptors (Rus))

KULAYEV, B.S.

Effect of chemical stimulation of pericardial receptors on the reflex activity of the cardiovascular system. Report No. 3: Relation of induced changes to the state conditions of the vasomotor center. Biul. eksp. biol. i med. 46 no.12:8-14 D '58. (MIRA 12:1)

1. Iz laboratorii obshchey fiziologii (zav. - deyatel'nyy chlen AMN SSSR V. N. Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - deyatel'nyy chlen AMN SSSR V. N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deyatel'nym chlenom AMN SSSR V. N. Chernigovskim.
(BLOOD PRESSURE, physiol.

eff. of chemestimulation of pericardium & role of carotid sinuses in cats (Rus))
(PERICARDIUM, physiol.

eff. of chemestimulation on blood pressure, role of carotid sinuses in cats (Rus))
(CAROTID SINUS, physiol.

regulation of blood pressure after chemostimulation of pericardium in cats (Rus))

KULAYEV, B.S.

Reflex automatic control of the small intestine in cats after removal of the spinal cord. Fiziol. zhur. 45 no.6:680-687 Je '59. (MIRA 12:8)

1. From the laboratory of general physiology Institute of Normal and Pathologic Physiology, Academy of Medical Sciences, Moscow.

(INTESTINE, SMALL, physiol.

reflex automatic control in cats after removal of spinal cord (Rus))

(REFLEX

reflex automatic control of small intestine after removal of spinal cord in eats (Rus))

KULAYEV, B.S.; LAGUTINA, T.S.; PILIPENKO, V.I.

Urethral reflexes evoked from the urinary bladder in cats after spinal cord removal. Fiziol. zhur. SSSR 45 no.7:840-847 J1 '59.

(MIRA 13:4)

1. From the laboratory of general physiology, electrophysiology and neurohistology, Institute of Normal and Pathologic Physiology, U.S.S.R. Academy of Medical Sciences, Moscow.

(URETHRA, physiol.)

(BLADDER physiol.)

(SPINAL CORD surgery)

KULAYEV, B.S.

Reflex changes in cardiovascular function under the influence of chemical irritation of pericardial receptors. Report No.4: Changes in chemoreflexes from the pericardium under the influence of forced respiration. Biul.eksp.biol.i med. 48 no.11:3-8 N '59.

1. Iz laboratorii obshchey fiziologii (zav. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chленом AMN SSSR V.N. Chernigovskim.

(PERICARDIUM pharmacol.)

(RESPIRATION physiol.)

(BLOOD PRESSURE physiol.)

(MIRA 13:5)

KULAYEV, B.S.

Changes in reactions of the cardiovascular system and respiration
to chemical stimulation of receptors of the small intestine in
relation to dosage of the stimulating substance. Biul.eksp.biol.
i med. 48 no.12:11-16 D '59.
(MIRA 13:5)

1. Iz laboratorii obshchey fiziologii (zav. - deystvitel'nyy chlen
AMN SSSR V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy
fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy)
AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.N.
Chernigovskim.

(INTESTINE SMALL pharmacol.)
(CARDIOVASCULAR SYSTEM physiol.)
(RESPIRATION physiol.)

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CIA-RDP86-00513R000927320020-6

KULAYEV, B.S. (Moskva)

Kiev conference on the physiology and pathology of the blood circulation. Fiziol. zhur. 46 no.1:135-138 Ja '60.

(BLOOD--CIRCULATION)

(MIRA 13:5)

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CIA-RDP86-00513R000927320020-6"

UDZL'NOV, Mikhail Georgiyevich; KULAYEV, B.S., red.; LAZAREVA,
L.V., tekhn. red.

[Neural regulation of the heart; structural and functional foundations of the inhibiting and intensifying effect of the nervous system] Nervnaia reguliatsia serdtsa; strukturno-funktional'nye osnovy tormozashchego i usilivaiushchego vlianiia nervnoi sistemy. Moskva, Izd-vo Mosk. univ., 1961.
380 p.

(NERVES, CARDIAC)

(MIRA 15:2)

KULAYEV, B.S.; STREL'NIKOVA, Ye.A.

Reflex effect of pressure changes in the cardiac cavities of a frog on peripheral blood circulation and the heartbeat rate.
Biul. eksp. biol. i med. 56 no.9:24-29 S '63.

(MIRA 17:10)

1. Iz Instituta normal'noy i patologicheskoy fiziologii AMN SSSR,
Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR A.V. Lebedinskim.

DOLGACH, D.I.; DOLGUN, Z.S.; KULAYEV, B.S.

Experimental reflexogenic hypertension of cardiac origin.
Kardiologija 3 no.6:3-10 N-D '63. (MIRA 17:6)

1. Iz laboratorii fiziologii i patofiziologii (zav. - prof. M.G. Udel'nov) Instituta terapii (direktor - deystvitel'nyy chlen AMN SSSR Prof. A.I. Myasnikov) AMN SSSR.

VYAKHIREV, D.A.; KUEAYEV, F.N.

Sedimentation paper chromatography for cations. Trudy Kom.anal.
khim. 6:527-535 '55. (MLRA 9:5)

1. Gor'kovskiy gosudarstvennyy universitet i Gorkovskiy pedagogicheskiy institut.
(Chromatographic analysis) (Cations)

VULAYEV, F. N.

VULAYEV, F. N.: "Analysis of mixtures of inorganic cations using the method of precipitation-chromatography on paper." Min Education RUFAR. Moscow State Pedagogical Inst imeni V. I. Lenin. Moscow, 1956. (Dissertation for the Degree of Candidate in Chemical Science.)

Knizhnaya letopis', No. 30, 1956. Moscow.

75-13-2-3/27

AUTHOR: Kulayev, F. N.

TITLE: Use of Precipitation Paper Chromatography in Inorganic Cations Analysis (Primeneniye osadochnoy khromatografii na bumage v analize neorganicheskikh kationov)

PERIODICAL: Zhurnal Analiticheskoy Khimii, 1973, Vol. 18, Nr. 2, pp. 172-179 (USSR)

ABSTRACT: In a previous paper (Ref¹) the possibility and expediency of the use of the precipitation paper chromatography for the qualitative analysis of inorganic cations had been shown. In the present paper the results of investigations are given which were carried out in order to solve some problems concerning the theory of precipitation chromatography. Furthermore conditions were detected for the application of this method for the analysis of inorganic cations (detection limits and limiting concentration conditions). Above all the influence of a series of factors on the formation of the precipitation zones of single cations was investigated, in order to be able to use the precipitation chromatography for the determination of the relative solubility of the precipitates and for the detection of the adsorption series with respect to the dimensions of the precipitation zones

Card 1/3

75-13 2-3/27

Use of Precipitation Paper Chromatography in Inorganic Cations Analysis

of the individual cations. Special attention was paid to the detection of rules governing the connection between the width of the zone of precipitation on the one hand and the quantity which determines the zonal arrangement and the perfectness of the separation of the components in the test solution on the other hand. Results: 1) A qualitative and quantitative connection was found to exist between the dimensions of the precipitation zone of one cation on the washed out chromatograph and the solubility product of the precipitate in question. The width of the zone of precipitation depends also qualitatively on a series of other factors: on the concentration of the initial solution, on the volume (size of the applied drop) of the initial solution (direct connection), on the concentration of the precipitate (inverse proportionality), on the character of the formed precipitate (amorphous precipitates occupy in the case of normally constant conditions broader zones on the washed out chromatograph than crystalline precipitates). 2) Results were obtained with respect to the sensitivity of the qualitative reactions which can be used for the analysis of inorganic cations on the strength of the precipitation paper chromatography in a drop modification.

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75-13-2-3/27
Use of Precipitation Paper Chromatography in Inorganic Cations Analysis

The detection limits are given for each cation. 3) The adsorption series of the cations were determined for their precipitations on paper which was treated with several individual precipitates. 4) A qualitative method was worked out for the determination of individual cations on the strength of the width of the zone of their precipitate on the washed out chromatograph. This method is based upon the precipitation paper chromatography in a drop variant under application of the principle of limiting dilution. There are 2 tables and 8 references, 7 of which are Soviet.

ASSOCIATION: Gor'kovskiy gosudarstvennyy pedagogicheskiy institut
(Gor'kiy State Pedagogical Institute)

SUBMITTED: September 10, 1956

1. Inorganic ions--Chromatographic analysis 2. Ions--Adsorption

Card 3/3

KULAYEV, F.N. (g. Gor'kiy)

Qualitative inorganic analysis by means of precipitation chromatography on paper. Khim. v shkole 13 no.6:63-66 N.D '58.
(MIRA 11:12)

(Chemistry, Analytical--Qualitative)
(Chromatographic analysis)

5(2), 5(3)

AUTHOR:

Kulayev, F. N.

SOV/75-14-3-3/29

TITLE:

Precipitation Paper Chromatography - a Method for
Determining Relative Solubility of Difficultly Soluble
Compounds (Osadochnaya khromatografiya na bumage kak
metod opredeleniya rastvorimosti malorastvorimykh
soyedineniy)

PERIODICAL:

Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 3,
pp 278-282 (USSR)

ABSTRACT:

Experiments with respect to the influence of various factors
on the zone extension of the precipitates of various
difficultly soluble compounds suggest the following
conclusions: The width of the zone of a precipitate is
determined 1) by the solubility product of the difficultly
soluble precipitate, 2) by the concentration of the solution
investigated, 3) by the volume of the drop investigated, and
4) by the nature of the precipitate. On otherwise equal
conditions (2 - 4) the width of the zone depends only on the
solubility product, and decreases with its decreasing value.
Therefrom a quick and simple method can be derived for the
determination of the relative solubility. The solubility of

Card 1/2

Precipitation Paper Chromatography - a Method for SOV/75-14-3-3/29
Determining Relative Solubility of Difficultly Soluble Compounds

silicates, phosphates, arsenites, chromates, and ferrocyanides of different metals was determined. Details of the experiments carried out are given. As developer the compounds listed in table 1 were used. Table 2 gives the measuring results of the precipitation zones. There are 2 tables and 3 Soviet references.

ASSOCIATION: Gor'kovskiy gosudarstvennyy pedagogicheskiy institut
(Gor'kiy State Pedagogical Institute)

SUBMITTED: December 26, 1957

Card 2/2

KULAYEV, F.N.

Paper precipitation chromatography in the qualitative analysis of
inorganic anions. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.6:904-
909 '64.
(MIRA 18:5)

1. Gor'kovskiy inzhenerno-stroitel'nyy institut, kafedra khimii.

KULAYEV, I. S.

KULAYEV, I. S.: "Polyphosphates and their role in the process of development of certain mold fungi." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Soil Biology Faculty. Moscow, 1956
(Dissertation for the degree os Candidate of Biological Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

KULAYEV, I.S.

BELOZERSKIY, A.N.; KULAYEV, I.S.

Polyphosphates and their significance in the development of *Aspergillus niger* [with summary in English]. *Biokhimia* 22 no.1/2:29-39 Ja-F '57.

(MIRA 10:7)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

(ASPERGILLUS, metabolism,

niger, polyphosphates, role in develop. (Rus))

(PHOSPHATES, metabolism,

. polyphosphates in *Aspergillus niger*, role in develop. (Rus))

KULAYEV, I.S.; BELOZERSKIY, A.N.

P³² in the study of the physiological role of polyphosphates in the development of *Aspergillus niger* [with summary in English]. Biokhimia 22 no.3:587-596 My-Je '57. (MIR# 10:11)

1. Biologo-tekhnicheskiy fakul'tet Moskovskogo universiteta im. M.V. Lomonosova.

(*ASPERGILLUS NIGER*, metabolism,
polyphosphates, radiophosphorus in determ. of physiol.
role in develop. (Rus))

(*PHOSPHATES*, metabolism,
Aspergillus niger, radiophosphorus in determ of physiol.
role of polyphosphates in develop. (Rus))

AUTHORS: Kulayev, I. S., Belozerskiy, A. N. SOV/2o-12o-5-42/67

TITLE: An Electrophoretic Investigation of Polyphosphate Ribonucleic Complexes Obtained From Aspergillus niger (Elektroforeticheskoye izucheniiye polifosfatno-ribonukleinovykh kompleksov iz Aspergillus niger)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 5,
pp. 1080 - 1083 (USSR)

ABSTRACT: In previous papers (Refs 1-3) two different polyphosphate fractions were found in the mentioned fungi species: a) a fraction which is soluble in acids, and b) a fraction which is not soluble in acids. The first is apparently in a free state in the cells, whereas the latter is connected with any cell components. According to the evidence obtained in the laboratory of the authors they are bound to the ribonucleic acid (RNA) by forming the complexes mentioned in the title. In the present paper the authors tried to solve the problem of the existence of such complexes in a new way: they investigated the electrophoretic homogeneity of the latter. Table 1 gives the analytical data which characterize the isolated preparation of the mentioned

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An Electrophoretic Investigation of Polyphosphate
Ribonucleic Complexes Obtained From Aspergillus niger

SOV/2o-12o-5-42/67

complex. There is no doubt that it is of polyphosphate nature. The authors succeeded under the given experimental conditions in separating a mechanical mixture of polyphosphate and RNA with different ratios of the components. An experiment with the polyphosphate ribonucleic complex from Aspergillus niger under the same conditions proved its electrophoretic homogeneity (Fig 2c). From the above mentioned it can be concluded that the electrophoretic mobility of the complex approaches rather closely that of RNA. However, it is shifted to a certain extent towards the direction of the polyphosphate. Thus the results obtained in the paper largely confirm the conception concerning the existence of polyphosphate ribonucleic complexes in the cells of low organisms (among them also A.niger) as actually existing compounds. Professor S.M. Bresler and V.D. Uspenskaya collaborated in this paper. There are 3 figures, 1 table, and 13 references, 4 of which are Soviet.

Card 2/3

2

Inst. Biochem in A. N. Bakh, AS USSR

KULAYEV, I.S.; BELOZERSKIY, A.N.; MANSUROVA, S.E.

Polynphosphate metabolism in submerged cultures of *Penicillium chrysogenum* Q-176. Biokhimiia 24 no.2:253-262 Mr-Ap '59 (MIRA 12:7)

1. Biochemical Institute, Academy of Sciences of the U.S.S.R.,
and Faculty of Biology and Soil Sciences of the State University,
Moscow.

(PENICILLIUM) (PHOSPHORUS METABOLISM)

KULAYEV, I.S.; KRITSKIY, M.S.; BELOZERSKIY, A.N.

Metabolism of polyphosphates and some other phosphorus compounds during the development of fruit bodies in the mushroom Agaricus bisporus L. Biokhimia 25 no.4:735-748 Jl-Ag '60. (MIRA 13:11)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R.,
and Faculty of Biology and Soil Sciences, the State University,
Moscow.

(MUSHROOMS)

(PHOSPHORUS METABOLISM)

KULAYEV, I.S.; OSTROVSKIY, D.U.; BELOZERSKIY, A.N.

First products of orthophosphate assimilation from the culture medium by the mycelium of *Penicillium chrysogenum* Q-176.
Dokl. AN SSSR 135 no.2:467-470 N '60. (MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonsova i
Institut biokhimii im. A.N.Bakha AN SSSR. 2. Chlen-korrespondent
AN SSSR (for Belozerskiy).
(*Penicillium*) (Phosphorus metabolism)

KULAYEV, I. S. (USSR)

"Polyphosphate Metabolism in Certain Fungi."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

KULAYEV, I.S.; BELOZERSKIY, A.N.; OSTROVSKIY, D.N.

Studying acid-soluble phosphorus compounds of penicillium
chrysogenum Q-176 under different conditions of cultivation.
Biokhimiia 26 no. 1:188-199 Ja-F '61. (MIRA 14:2)

1. Institute of biochemistry, Academy of Sciences of the U.S.S.R.,
and Faculty of Biology and Soil Sciences, State University,
Moscow.

(PENICILLIUM) (PHOSPHORUS METABOLISM)

KOKURINA, N.A.; KULAYEV, I.S.; BELOZERSKIY, A.N.

Study of phosphorus compounds in some strains of actinomycetes.
Mikrobiologiya 30 no.1:15-20 Ja-F '61. (MIRA 14:5)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni M.V.Lomonosova.
(ACTINOMYCETES) (PHOSPHORUS IN THE BODY)

AGROSKIN, L.S.; KOROLEV, N.V.; KULAYEV, I.S.; POMOSHCHNIKOVA, N.A.

Fluorescence of nucleic acids in solution. Dokl.AN SSSR 136 no.1:
226-229 Ja '61. (MIRA 14:5)

1. Predstavleno akademikom N.M.Sisakyanom.
(Nucleic acids) (Fluorescence)

KULAYEV, I.S.; BELOZERSKIY, A.N.

Condensed inorganic phosphates in the metabolism of living
organisms (to be continued). Izv. AN SSSR. Ser. biol. no.3:354-369
My-Je '62. (MIRA 15:6)
(PHOSPHORUS METABOLISM)

KULAYEV, I.S. ; BELOZERSKIY, A.N.

Condensed inorganic phosphates in the metabolism of live organisms.
Izv.AN SSSR.Ser.biol.27 no.4:502-522 Jl-Ag '62. (MIRA 15:9)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R.
and Faculty of Biology and Soil Sciences, State University, Moscow.
(PHOSPHORUS METABOLISM)

KHAYEV, I.R.

Absorption of the orthophosphate of the medium by the mycelium of
Penicillium chrysogenum. Dokl. AN SSSR 155 no.1974, 1964.
(MHA 17:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom A.N. Polozovskim.

VAGABOV, V.M.; KULAYEV, I.S.

Inorganic polyphosphates in the roots of corn. Dokl. AN SSSR
158 no.1:218-220 S-0 '64 (MIRA 17:8)

I. Moskovskiy gosudarstvennyy universitet. Predstavлено akademikom A.N. Belozerskim.

KULAYEV, I.S.; FAIS, D.; METLITSKAYA, A.Z.; KRASHENINNIKOV, I.A.

Short-lived inclusion of P³² into the mycelium of Penicillium chrysogenum. Dokl. AN SSSR 159 no.1:198-201 N '64.

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavлено академиком A.N. Belozerskim.

(MIRA 17:12)

KULAYEV, I.S.; VALIKHANOV, M.N.; BELOZERSKIY, A.N., akademik

Possible ways for phytin transformation in higher plants.
Dokl. AN SSSR 159 no. 3:668-671 N '64
(MIRA 18:1)

1. Moskovskiy gosudarstvennyy universitet.

KRITSKIY, M.S.; KULAYEV, I.S.; KLEBANOVA, L.M.; BELOZERSKIY, A.N., akademik

Two ways of phosphate transport in the fruiting bodies of Agaricus bisporus. Dokl. AN SSSR 160 no.4:949-952 F '65.

1. Institut biokhimii im. A.N. Bakha AN SSSR i Moskovskiy gosudarstvennyy universitet.

(MIRA 18:2)

KRITSKIY, M.S.; KULAYEV, I.S.

Acid-soluble nucleotides of the fruiting bodies of Agaricus bisporus L. Biokhimia 28 no.4:694-699 Jl-Ag '63.

(MIRA 18:3)

1. Institut biokhimii imeni Bakha AN SSSR i biologo-pochvennyy fakul'tet Gosudarstvennogo universiteta imeni Lomonosova, Moskva.

L 55943-65

ACCESSION NR: AP5018499

UR/0020/64/159/003/0668/0671

AUTHOR: Kulayev, I. S.; Valikhanov, M. N.; Balozerskiy, A. N. (Academician)

4

E

TITLE: Conversion of phytin in higher plants

SOURCE: AN SSSR. Doklady, v. 159, no. 3, 1964, 668-671

TOPIC TAGS: plant chemistry, plant reproduction

Abstract: The manner in which phytin is utilized during the germination of cotton seeds was studied by determining changes in the content of this substance and of other P compounds. It was established that 3-phosphoglyceric acid formed from phytin, apparently as a product of enzymatic cleavage. The enzyme could be separated in the form of an extract. Formation of 3-phosphoglyceric acid from phytin was stimulated by the action of light on the germinating seeds. Formation of this substance from phytin was also found to take place in an extract of wheat bran. Orig. art. has 1 figure and 2 graphs.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University)

Card 1/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

L 55913-S
ACCESSION NR: AP5018499

SUBMITTED: 20Ju164

ENCL: 00

SUB CODE: LS

NO REF Sov: 012

OTHER: 006

JPRS

Card 2/2 MB.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

KULAYEV, I.S.; URYSON, S.O.

Study of free nucleotides and other phosphorus compounds in ergot
(*Claviceps paspali*). Biokhimia 30 no.2:282-291 Mr-Ap '65. (MIRA 18:7)

1. Institut biokhimi imeni Bakha AN SSSR, Moskva.

KULAYEV, I.S.; POLONSKIY, Yu.S.; KHLABALINA, O.I.; CHIGIREV, V.S.

Study of the mechanism of the absorption of orthophosphate of
the medium by the mycelium of *Penicillium chrysogenum*. Biokhimiia
29 no.4:759-773 Jl-Ag '64. (MIRA 18:6)

1. Gosudarstvennyy universitet imeni Lomonosova, Moskva.

KRITSKIY, M.S.; KULAYEV, I.S.; MAYOROVA, I.P.; FAYS, D.A.; BELOZERSKIY, A.N.

Translocation of phosphates in the sporophores of meadow mushrooms. Biokhimia 30 no.4:778-789 Jl-Ag '65.

1. Institut biokhimii imeni A.N. Bakha AN SSSR i biologopochvennyy fakul'tet Gosudarstvennogo universiteta imeni M.V. Lomonosova, Moskva. (MIRA 18:8)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

YURKEVICH, V.V.; KULAYEV, J.S.; KOKURINA, N.A.

60th birthday of Andrei Nikolaevich Belozerskii, 1905- .
TSitologija 7 no.6:783-784 N-D '65.

(MIRA 1981)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

MANSUROVA, S. E.; SHABAROVA, Z.A.; KULAYEV, I.S.

General characteristics of some new nucleotide containing acid
soluble compounds isolated from the mycelium of *Penicillium*
chrysogenum Thom. Biokhimiia 30 no. 3:514-522 My-Je '65
(MIRA 1961)

1. Khimicheskiy i biologicheskiy fakultety Gosudarstvennogo
universiteta imeni Lomonosova, Moskva.

YUSHCHENKO, Nikolay Romanovich; KULAYEV, Konstantin, Vladimirovich;
KRIVENKO, Nikita Akimovich; PANOV, V.I., inzhener, redaktor;
YUDSON, D.M. tekhnicheskiy redaktor.

[Over-all technology of shunting stations; practice of the
Nizhnedneprovsk Uzel station on the Stalinoline] Kompleksnaia
tekhnologija sortirovochnoi stantsii; opyt stantsii Nizhne-
dnevorsk Uzel Stalinskoi dorogi. Moskva, Gos.transp.zhel-dor
izd-vo, 1955. 45 p.
(Railroads--Making up trains) (MLRA 8:11)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

KARNOVSKIY, A.I., kand. tekhn. nauk (Dnepropetrovsk); KULAYEV, K.V.
(Dnepropetrovsk); REYTBLAT, A.Ya., inzh. (Dnepropetrovsk)

Potentials for reducing the idle time of locomotives. Zhel.
dor. transp. 46 no.5:71-73 My '64. (MIRA 18:2)

1. Glavnnyy inzh. Pridneprovskoy dorogi (for Kulayev).

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

KULAYEV, K.V. (Dnepropetrovsk)

Public Institute of Scientific Work Organization. Zhel. dor. transp.
47 no.6:87-88 Je '65. (MIRA 18:6)

1. Glavnnyy inzh. Pridneprovskoy dorogi, direktor Obshchestvennogo
instituta nauchnoy organizatsii truda na Pridneprovskoy doroge.

KULAYEV, M., kandidat tekhnicheskikh nauk.

Story of a great life ("Road of discoveries." M. Arlazorov. Reviewed by M.Kulaev). Znan.sila 31 no.11:19 N 56; (MLRA 9:12) (Zhukovskii, Nikolai Egorovich, 1847-1921)

KULAYEV, M., avtolyubitel'

Turn indicators for old motor vehicles. Za rul. 20 no.11:22-23
N '62. (Signals and signaling, Automobile) (MIRA 15:11)

PETROV, Ye.I.; NOVOSELOV, V.A.; Prinimali uchastiye: CHVANOV, P.A.;
SHIROKOV, L.F.; KOROBKOV, V.P.; KULAYEV, P.A.; POPKOVA, L.F.;
LEBEDEV, I.M.; BAKAYEV, A.M.

Flotation of Sibay deposit zinc ores. TSvet. met. 35 no.3:
15-18 Mr '62.
(Flotation) (Sibay region--Zinc ores) (MIRA 15:4)

KULAYEV, S. I. (Prof.); LEVINSON, L. B. (Docent); ROSKIN, G. I. (Prof.);

Microscopic Technique (*Mikroskopicheskaya Tekhnika*, Izdatel'stvo Sovetskaya Nauka, 1946.

Abstract, W-13777, 29 Sep 50

KULAYEV, V.B. Cand Agr Sci (diss) "Experiment in raising colts
(Don-trotter-Kazakh cross-breeds) on a South Ural stud farm." *-14*

Mos, 1957 16pp 20 cm. (Mos Vet Acad, USSR Min Agt) 140 copies
(KL, 11-57, 99)

REFERENCE NO.: 100-1000000-1000000	
MAG. JOURNAL: RZBiol., No. 4, 1959, No. 1664	
AUTHOR	Hulayev, V. S.
INST.	All-Union Scientific Research Institute of
FIELD	An Experiment in breeding Colt (Don-Trotting Kazakhskii) hybrids at the South-Ural Stud St. P.
CRSP. PUB.	Ural. gosuchno-sokhin. inform. Yuz, n.-i. Sverkolkhozstroj, 1957, No. 1, 24-29
ABSTRACT	"A group of colts were used in the experiment, each group consisting of 20 Donian kh and 20 trotting-kh zakh hybrids. The colts of the experimental group were kept in swarms on pastures (during the period of lactation they were supplemented by feed, silage, etc.). In winter they were kept at the base stations and in stables and were given daily up to 2 kg of oats and 6-10 kg of hay; during the day they were let out on pasture. The colts
CARD:	1/3

23

Country	:	R.S.R.
CATEGORY	:	Farm Animals. Horses.
ABS. JOUR.	:	RZBiol., No. 4, 1959, No. 16644
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB. :		
ABSTRACT	:	of the control group were kept on pasture and their supplementary feeding was insufficient. In the experimental group the colts developed well; at the age of 24 months they were 0.2 cm taller at the withers, 16.5 cm longer diametrically, had a 15.3 cm larger chest circumference, 3 cm larger metacarpal circumference, were 99 kg heavier in terms of live weight than the control colts who developed poorly and whose constitutional forms were disharmonious. The amounts of
CARD:	2/3	

COUNTRY : USSR
 CATEGORY : Farm Animals. Horses.

ABS. JOUR. : RZBiol., No. 4, 1950, No. 16644

AUTHOR :
 INST. :
 TITLE :

ORIG. PUB. :

ABSTRACT : erythrocytes and Hb in their blood were also larger. A scheme is recommended according to which the young stock of the saddle-draft horse breeds should be raised under the conditions of West-Kazakhstanskaya Oblast'. -- N. F. Demida

CARD: 3/3

29

USSR/Farm Animals. Horses

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-

Abs Jour : Rof Zhur - Biol., No 11, 1958, No 49975

Author : Kulayev V. B.

Inst

Title : Experiencer Gainod in Reining Colts of the Saddle-Draught Type in West Kazakhstan.

Orig Pub : Konevodstvo, 1957, No 4, 15-19

Abstract : A group of crossbred colts kept in conditions of a cultivated herd was compared to a group of colts kept on pasture (usual conditions). At the age of 2 years the colts of the 1st group surpassed the colts of the 2nd group by their height in the withers, +8.2 cm; their diagonal length, +16.2 cm; their chest circumference, +15.3 cm; their metacarpus, +2 cm; their live weight, +99 kg. Also, their hematological indicators (erythrocyte count, Hb, protein) were higher.

Card : 1/1

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6

KULAYEV, V.M.; GRIGOR'YEV, Ye.A.; HURTSEV, B.V.

Founding the profiled part of turbocompressor rotors. List. proizv.
no.11:39-40 N '62. (MIRA 15:12)
(Impellers) (Founding)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927320020-6"

ACCESSION NR: AT4016069

S/2698/63/000/000/0246/0248

AUTHOR: Kulayev, V. M.

TITLE: High temperature cast steel for turbocompressor blades

SOURCE: Soveshchaniye po teorii liteynykh protsessov. 8th, 1962. Mekhanicheskiye svoystva litogo metalla (Mechanical properties of cast metal). Trudy soveshchaniya. Moscow, Izd-vo AN SSSR, 1963, 246-248

TOPIC TAGS: high temperature steel, austenitic steel, heat resistant steel, cast steel, alloy steel, turbine, turbine blade, rotating aligning apparatus

ABSTRACT: In the construction of small-size turbocompressors with a radial turbine, a very complicated part must be cast. This component is a wheel with nineteen blades, as shown in Fig. 1 of the Enclosure. Chromium-nickel-titanium steel, grade EI787L, with a high manganese content is generally used, the composition of which is given in detail. In the present study, the steel was smelted in an open, 50 kg, high-frequency induction furnace and the strength was tested at various temperatures (550-650C) after temporing and aging. The durability of the steel was very high. Even when foreign objects hit the blades they were only bent and did not break. The EI787L steel had good casting properties, the thinnest parts of the blades being cast satisfactorily. The disadvantage of this steel, as with all steel

Card 1/3

ACCESSION NR: AT4016069

castings and alloys containing titanium and aluminum, was the formation of spots when casting was not carried out in a vacuum. This defect was eliminated when a vacuum was used for melting and casting. Castings of this grade of steel have been used on turbocompressors for over 2,000 hours without replacement. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 27Dec63

ENCL: 01

SUB CODE: MM, PR

NO REF SOV: 000

OTHER: 000

Card 2/3

KULAYEV, Yu.F., inzh. (Sverdlovsk)

Selecting the type of locomotives for local operations. Zhel.
dor. transp. 46 no.8:62-66 Ag '64.
(MIRA 17:11)

RAYZBERG, A.N.; KULAYEV, Yu.F., kand.ekonom.nauk; LYAPKALO, I.I.; SEREDA, I.A.

Uniform technology improves the standards of routing. Zhel.dor.transp.
47 no.10:21-24 0 '65. (MIRA 18:10)

1. Zamestitel' nachal'nika Chelyabinskogo otdeleniya Yuzhno-Ural'skoy dorogi (for Rayzberg).
2. Zamestitel' nachal'nika zheleznedorozhnogo tsekha Chelyabinskogo truboprovodnogo zavoda (for Lyapkalo).
3. Nachal'nik stantsii Kir-Zavod Yuzhno-Ural'skoy dorogi (for Sereda).

KULAYEV, Yu.F., inzh. (Severdlovsk)

Technical and economic efficiency of the new traction types in local operations. Zhel.dor.transp. 44 no.12:26-31 D '62. (MIRA 15:12)
(Railroads—Cost of operation) (Locomotives)